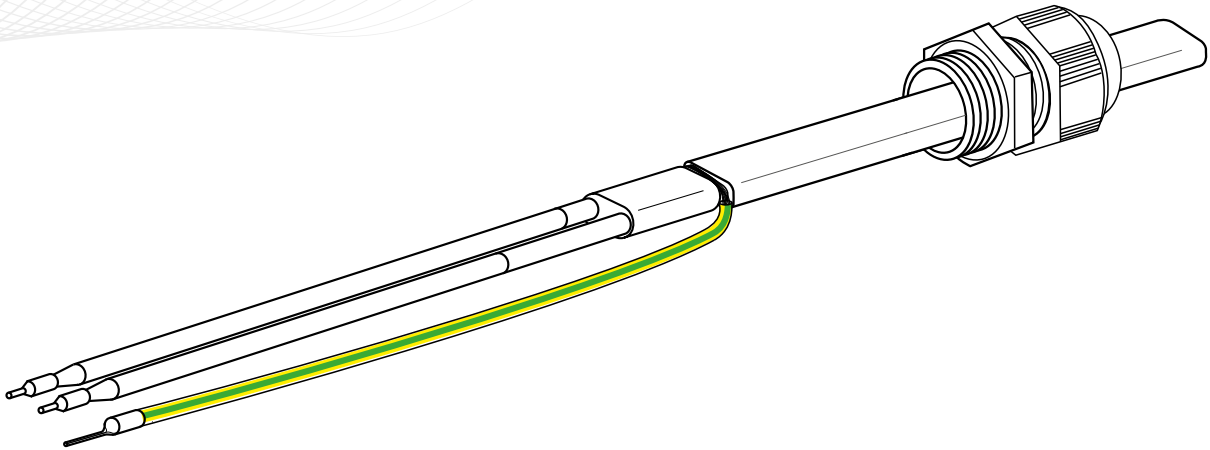


ASSEMBLY INSTRUCTIONS



ELVB-SREx ELVB-SRA

Initial connection set with cable gland
for ELSR-HA, ELSR-NA, ELSR-WA and ELSR-SH+

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IMPORTANT NOTES AND SAFETY INFORMATION



WARNING

Installation and connections must be made in compliance with NEC, CEC and local wiring regulations and electrical codes.

Component approvals and performance ratings are based on the use of approved eltherm parts and accessories only. Assembly to be performed by properly trained and qualified personnel.

- RETAIN FOR LATER USE



Please follow these instructions for proper and safe use of the ELVB-SREx and ELVB-SRA initial connection sets. Please retain these instructions for later reference purposes (for example in the system documentation).



ATTENTION

Refers to a potentially dangerous situation. If it is not prevented, there is a risk of damage or malfunction.



DANGER

Refers to an extremely dangerous situation. If it is not prevented there is risk of death or at least a high risk of serious injuries.



NOTE

Important information and instructions for safe, effective and environmentally compatible usage.



WARNING

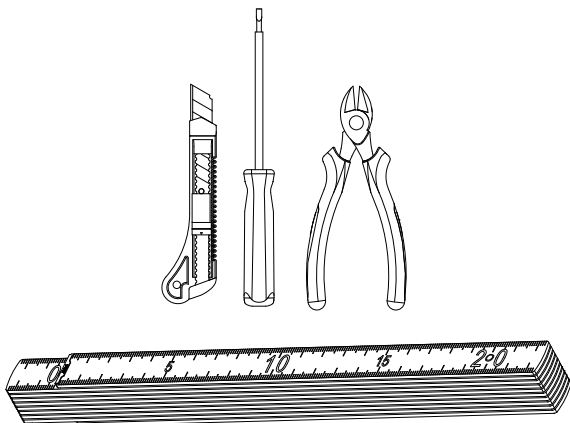
Refers to a dangerous situation. If it is not prevented there is risk of injury or at least a high risk of material damage.

Proviso

We reserve the right to make technical changes. Changes, errors or misprints shall not form the basis for any claim to compensation for damages. Comply with the applicable and currently valid standards and regulations for safety-related components and systems.

eltherm Canada Inc. 1155 Appleby Line, Unit E7 Burlington ON L7L 5H9 Canada P.: +1 (289) 812-6631 1 F.: +1 (844) 325-6750 info@eltherm.com	Document: 86430409CA07X		Assembly instructions Connection set ELVB-SREx & ELVB-SRA for ELSR-HA, -NA, -WA and -SH+	
	Author:	Peter Schmidt	Date:	15.03.2016
	Revision: 04	Julian Engel	Date:	04.04.2024

RECOMMENDED TOOLS



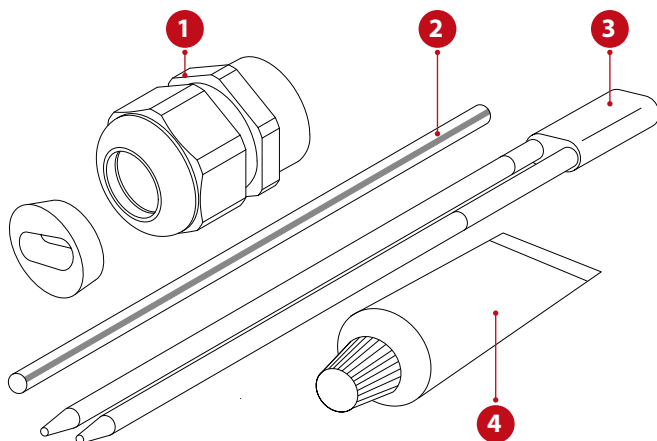
ATTENTION

- Work may only be performed by authorised and qualified personnel!
- After work is complete, check the insulation resistance (min. 500VDC, recommended 2500VDC, min. 20 MOhms) and measure heater resistance!
- Make sure to use appropriate tools for connections of wires and end sleeves!

CONTENTS OF INITIAL CONNECTION SET

ELVB-SREx & ELVB-SRA

Suitable for use with ELSR-HA; -NA; -WA & -SH+



No.	Type	Quantity
1	Cable gland (differs; see table to the right)	1 unit
2	Shrink tubing Øi=3/16" (4.8 mm); 7" (180 mm); gn/ye	1 unit
3	Insulator for ELSR connection	1 unit
4	Silicone adhesive; 5 gr.	1 unit



NOTE

This set does not include a termination. If a termination is needed, it must be ordered separately.

Set types and compatibilities

Article no.	Type / Entry Thread Size	suitable for use with
09CA070	ELVB-SREx-SH+-20 / M20x1,5	ELSR-SH+
09CA071	ELVB-SREx-SH+-3/4 / 3/4" NPT	ELSR-SH+
09CA072	ELVB-SREx-SH+-1/2 / 1/2" NPT	ELSR-SH+
09CA008	ELVB-SREx-20 BR HT / M20x1,5	ELSR-NA, ELSR-HA
09CA017	ELVB-SREx-3/4 BR HT / 3/4" NPT	ELSR-NA, ELSR-HA
09CA009	ELVB-SREx-1/2 BR HT / 1/2" NPT	ELSR-NA, ELSR-HA
09CA028	ELVB-SREx-20 BR HT / M20x1,5	ELSR-WA
09CA027	ELVB-SREx-3/4 BR HT / 3/4" NPT	ELSR-WA
09CA029	ELVB-SREx-1/2 BR HT / 1/2" NPT	ELSR-WA
09CA014	ELVB-SRAH-3/4 ST / without cable gland	ELSR-HA
09CA015	ELVB-SRAN-3/4 ST / without cable gland	ELSR-NA
09CA053	ELVB-SRAW-3/4 ST / without cable gland	ELSR-WA



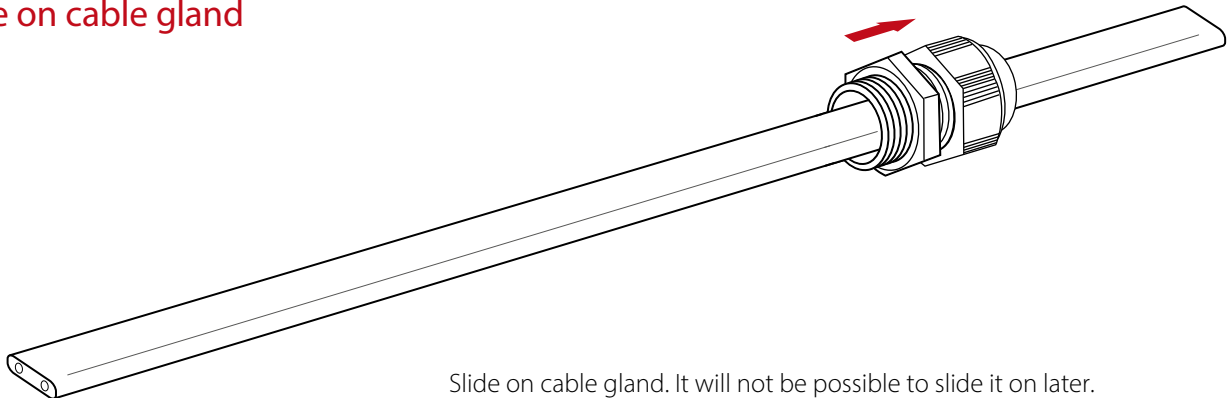
NOTE

In case of kits ELVB-SRAH, ELVB-SRAN and ELVB-SRAW, the required glands must be ordered separately:

Article no.	Type	Approved for use with gland
09CA014	ELVB-SRAH-3/4 ST	T&B 2238
09CA015	ELVB-SRAN-3/4 ST	T&B 2239
09CA053	ELVB-SRAW-3/4 ST	T&B 2239

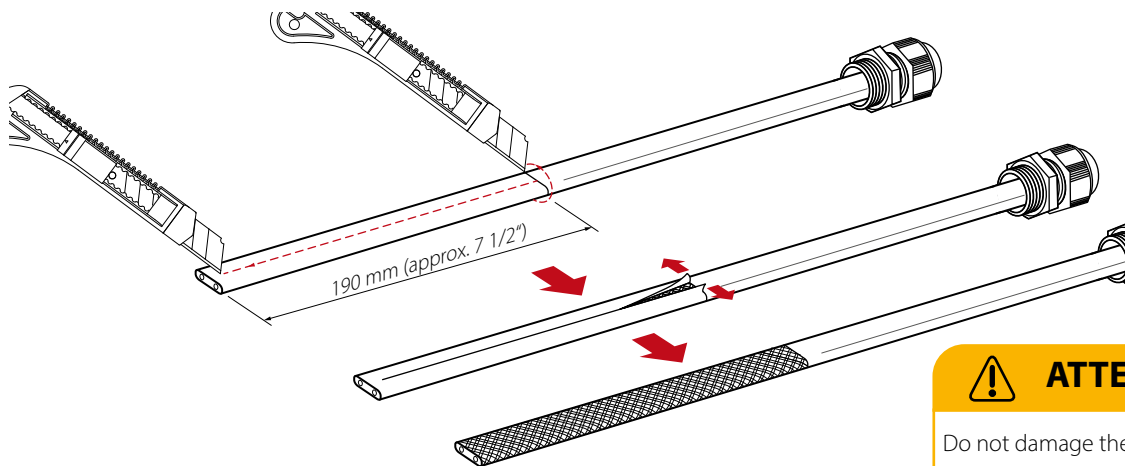
PREPARATION & ASSEMBLY

Slide on cable gland



Slide on cable gland. It will not be possible to slide it on later.

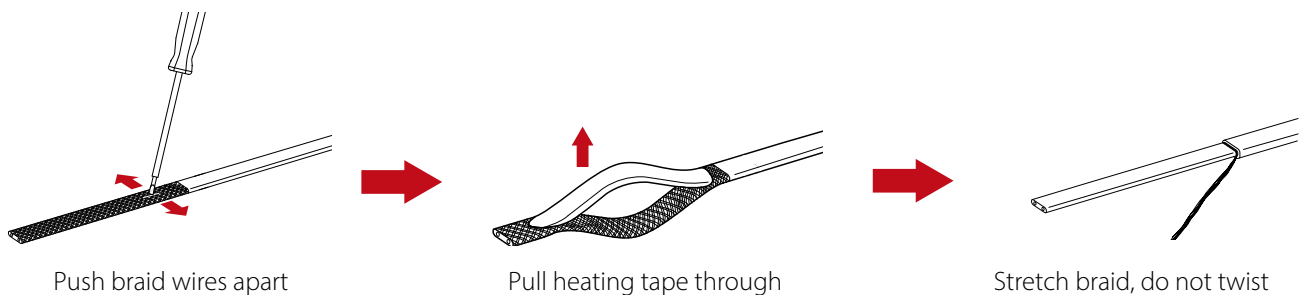
Remove outer jacket



ATTENTION

Do not damage the protective braid!

Loosen protective braid (for Type „BO“ and „BOT“)

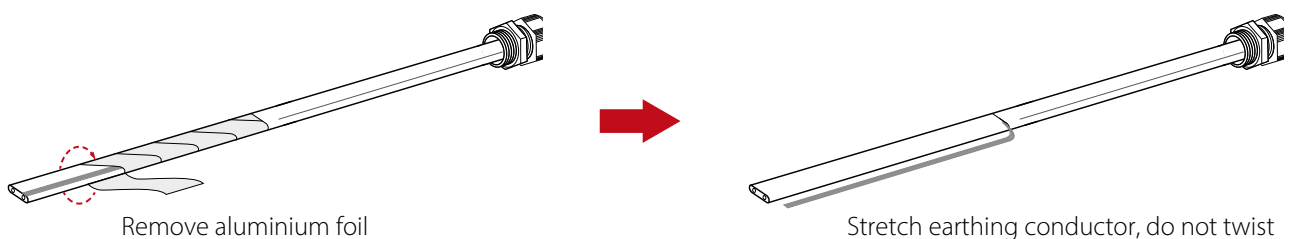


Push braid wires apart

Pull heating tape through

Stretch braid, do not twist

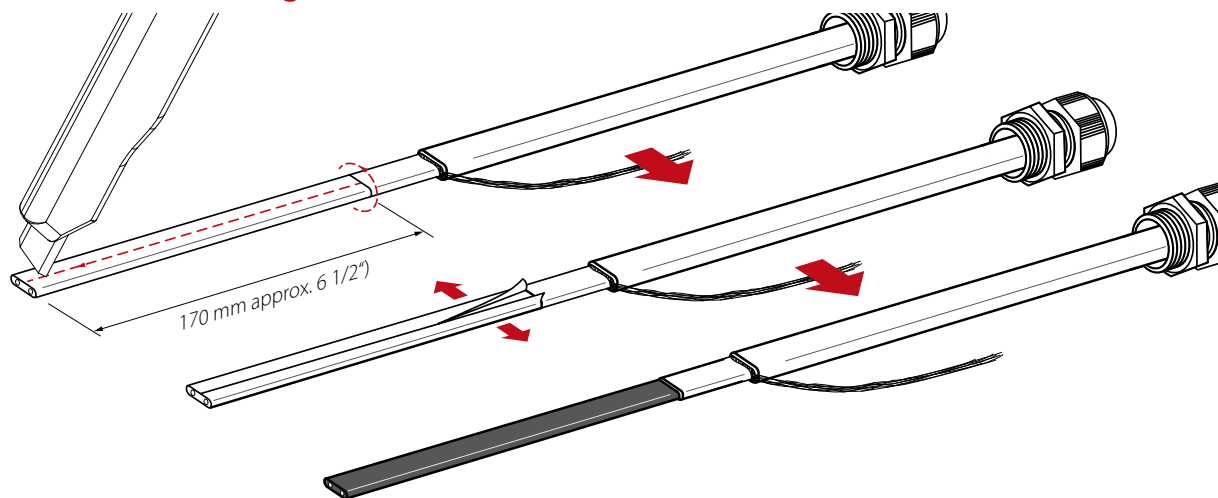
Remove aluminium foil (for Type „AO“)



Remove aluminium foil

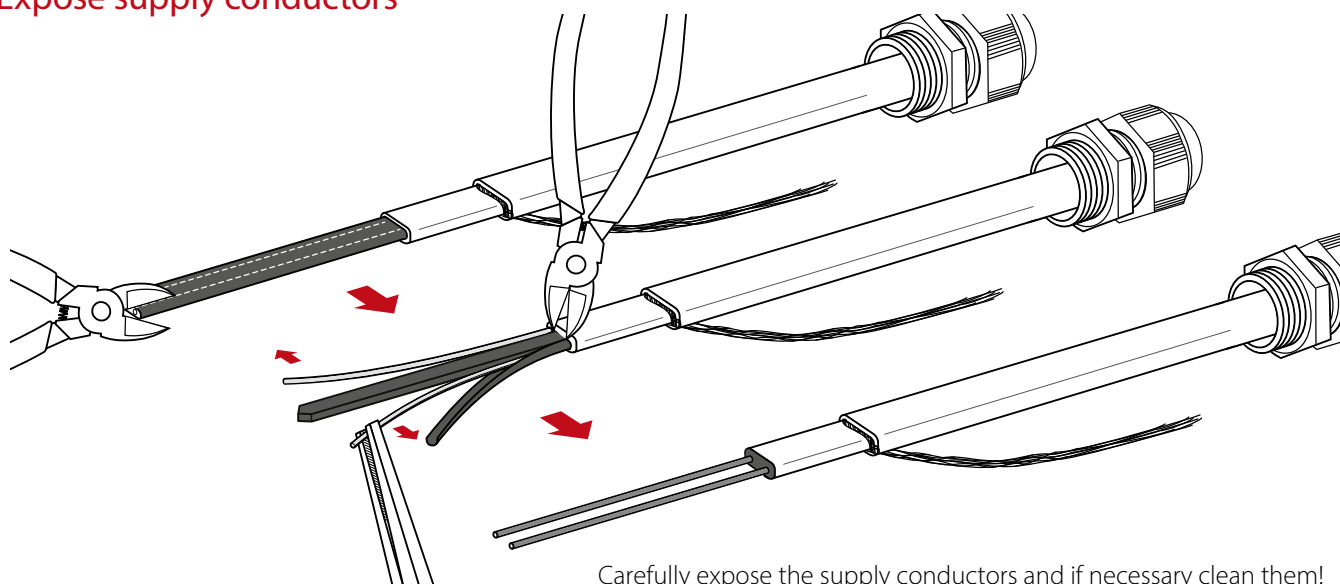
Stretch earthing conductor, do not twist

Remove inner insulating cover

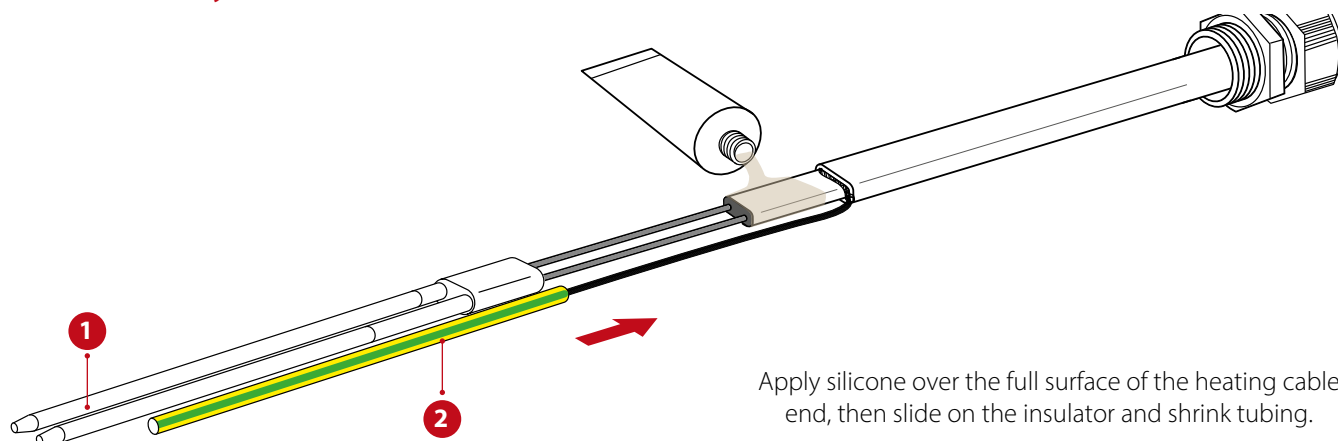


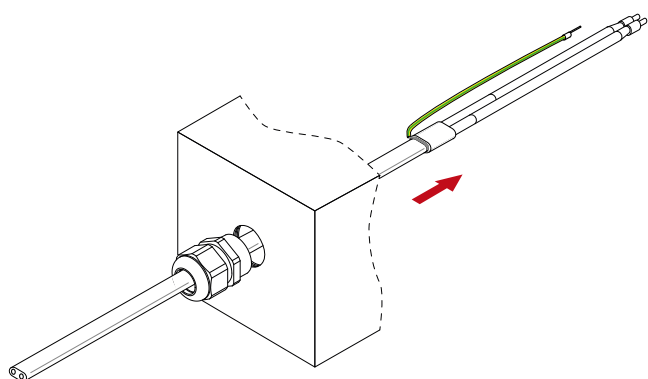
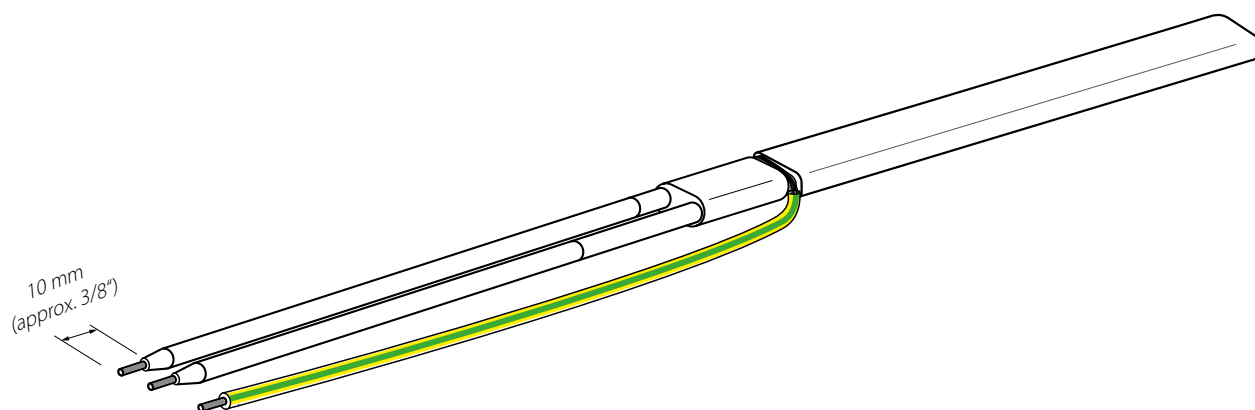
Carefully expose the heating matrix.

Expose supply conductors

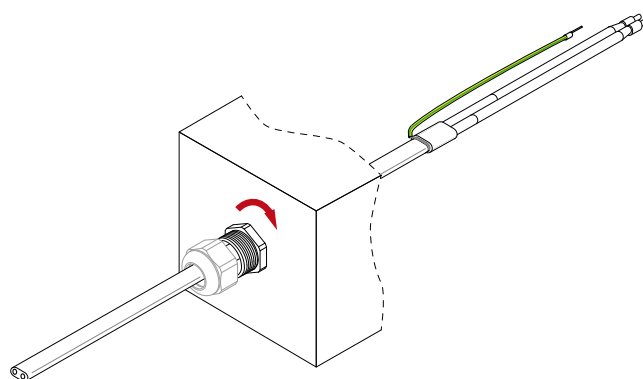


Finish assembly

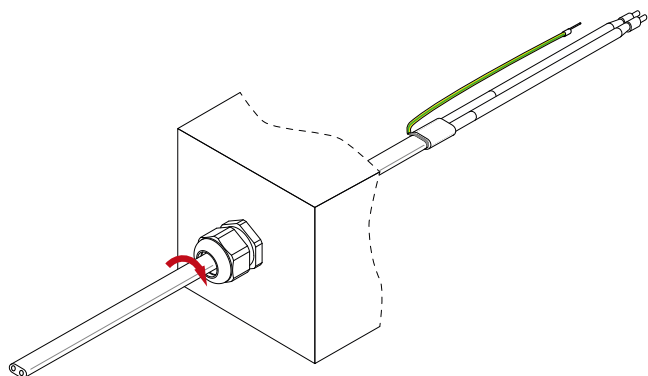




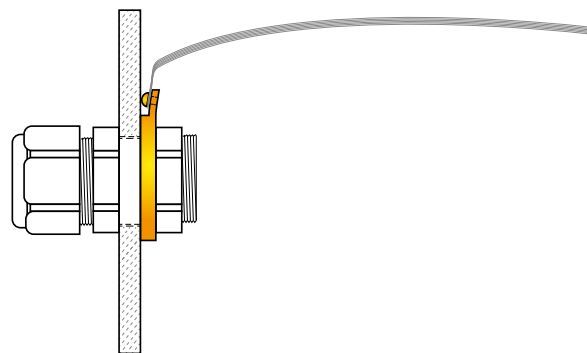
1. Insert the fully assembled heating cable into the housing.



2. Screw the bottom part of the cable gland into the housing.



3. Set the seal in place and tighten the cable gland.



For installation of metal cable glands in plastic housing: Earth the cable gland with an earthing kit!



WARNING

In the hazardous area always follow the instructions for the cable gland. These instructions also contain important information for safe use!



Note

This set does not include an earthing kit. If an earthing kit is needed, it must be ordered separately.



This document can also be found on the eltherm website.
Visit our download area.



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